

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101321\  
 Data File : BG050577.D  
 Acq On : 13 Oct 2021 19:34  
 Operator : CG/JU  
 Sample : M4157-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FDR-20211008-WC

Quant Time: Oct 14 03:05:08 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 2021  
 Response via : Initial Calibration

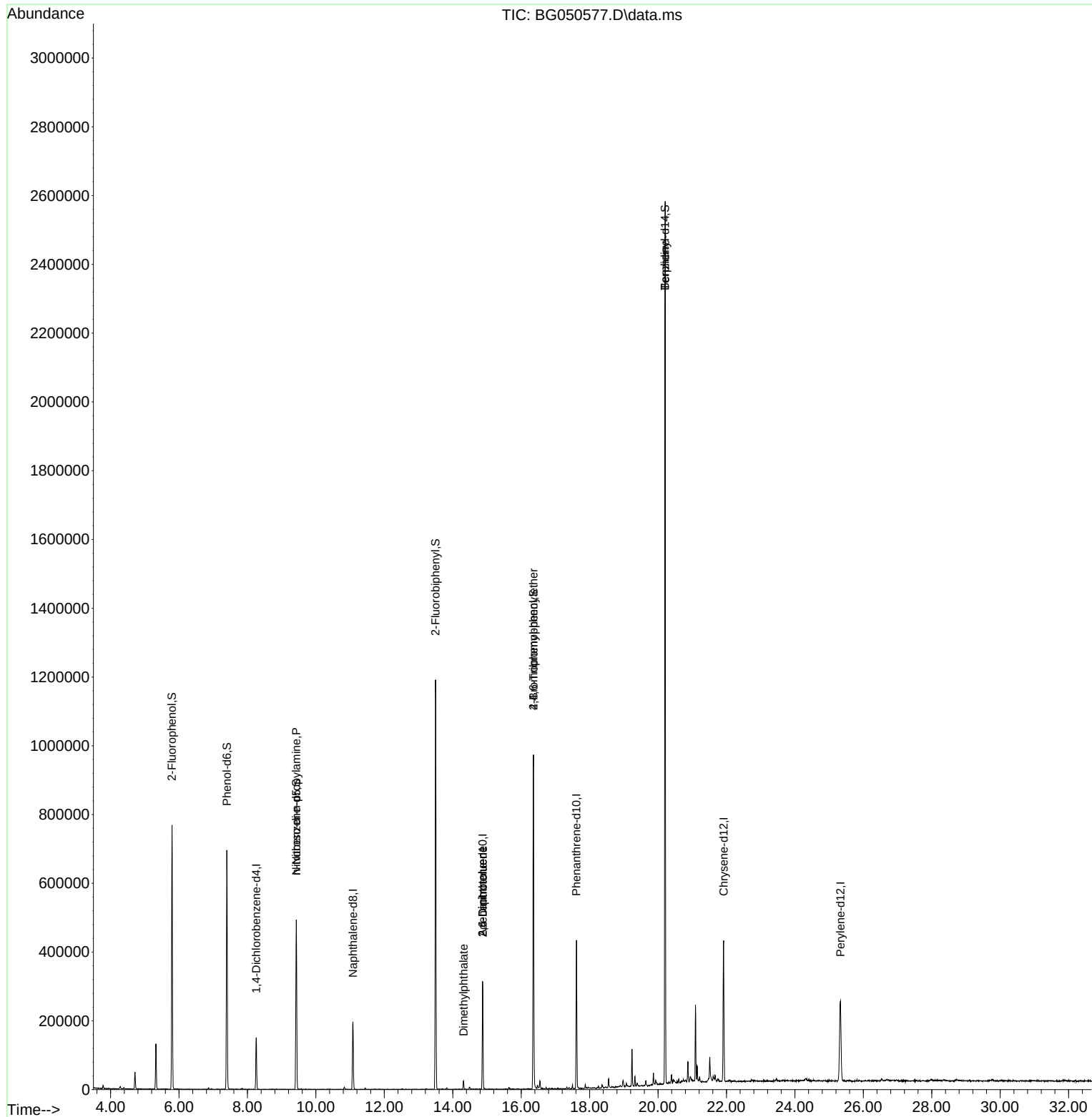
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.256  | 152  | 39356    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.082 | 136  | 162009   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.872 | 164  | 107146   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 255949   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.916 | 240  | 249751   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 25.330 | 264  | 246743   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.794  | 112  | 309971   | 117.790   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.398  | 99   | 382952   | 100.511   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.425  | 82   | 328139   | 83.845    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 143294   | 140.211   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.497 | 172  | 589393   | 82.789    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.206 | 244  | 1080343  | 84.300    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.398  | 77   | 755      | Below Cal | #     | 10       |
| 19) n-Nitroso-di-n-propyla... | 9.425  | 70   | 45726    | 16.466    | ng    | # 71     |
| 50) Dimethylphthalate         | 14.313 | 163  | 16538    | 2.042     | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.872 | 165  | 13822    | 8.521     | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 14.872 | 165  | 13822    | 6.045     | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.358 | 248  | 12033    | 4.665     | ng    | # 1      |
| 77) Benizidine                | 20.206 | 184  | 21759    | 2.688     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

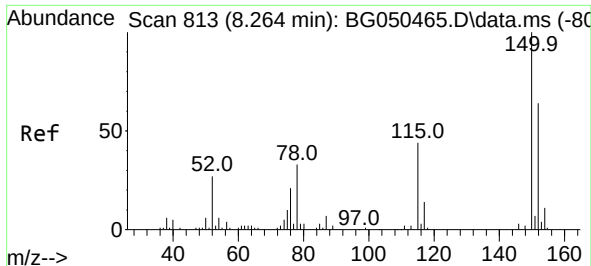
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101321\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 06 15:51:01 2021  
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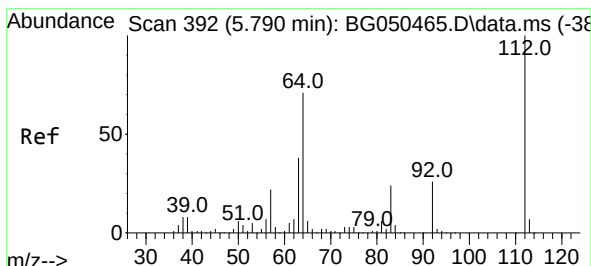
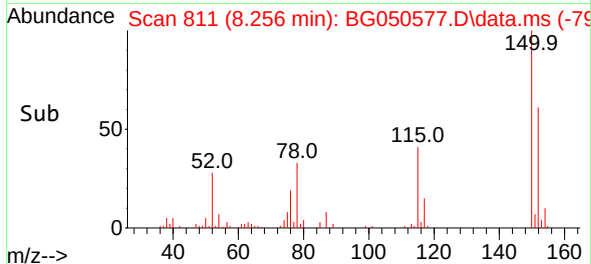
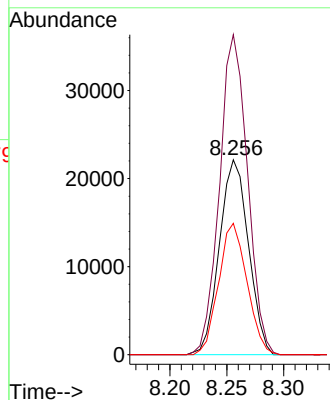
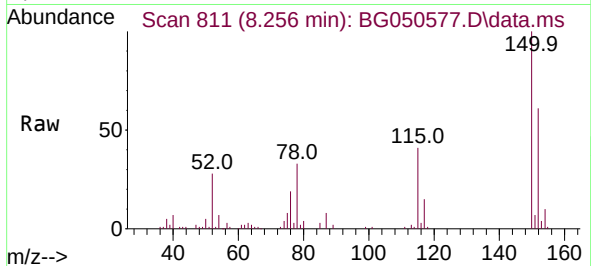




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.256 min Scan# 811  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

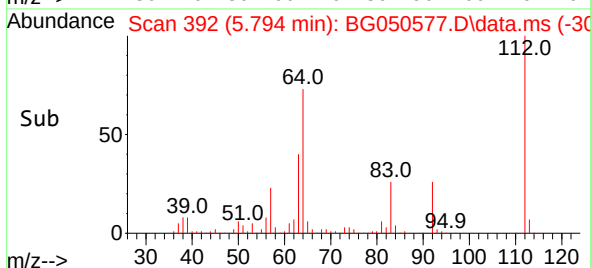
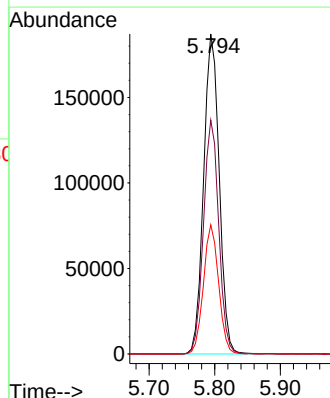
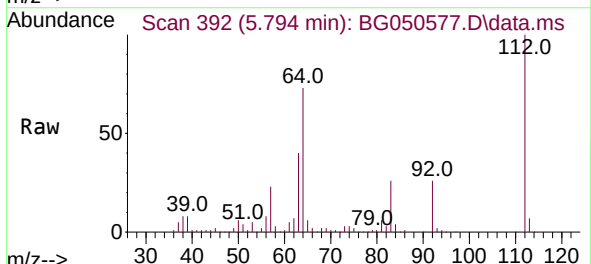
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

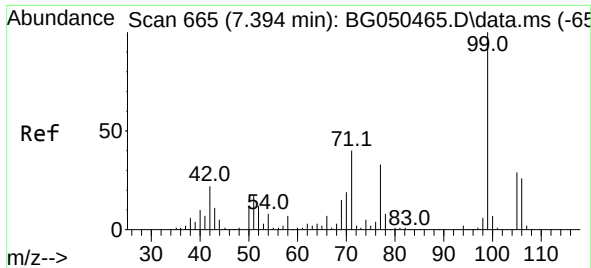
Tgt Ion:152 Resp: 39356  
Ion Ratio Lower Upper  
152 100  
150 164.2 119.4 179.0  
115 67.4 60.2 90.4



#5  
2-Fluorophenol  
Concen: 117.790 ng  
RT: 5.794 min Scan# 392  
Delta R.T. 0.004 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Tgt Ion:112 Resp: 309971  
Ion Ratio Lower Upper  
112 100  
64 73.1 46.7 70.1#  
63 40.3 35.3 52.9

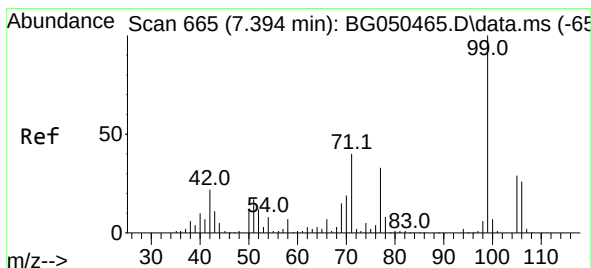
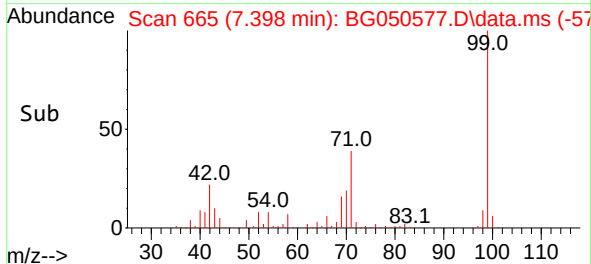
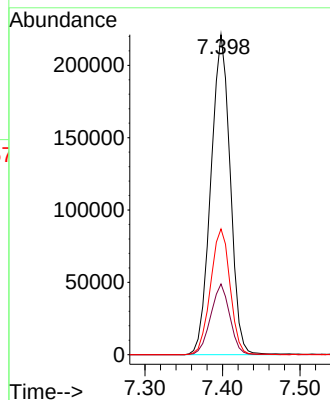
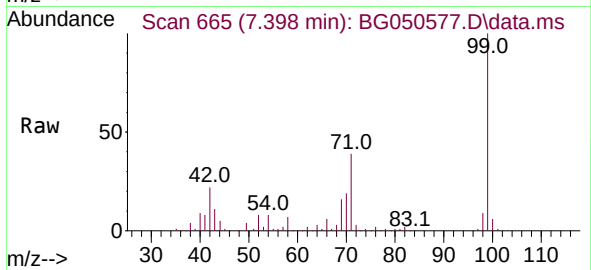




#7  
Phenol-d6  
Concen: 100.511 ng  
RT: 7.398 min Scan# 665  
Delta R.T. 0.004 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

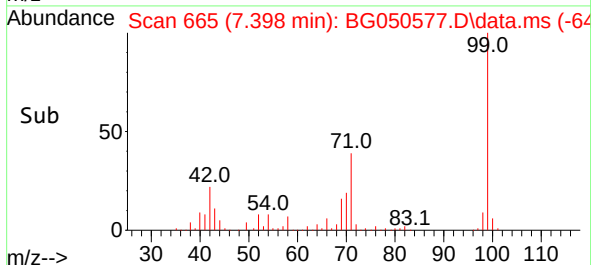
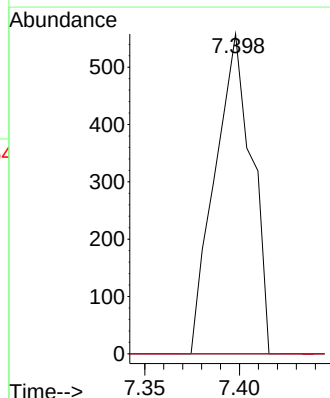
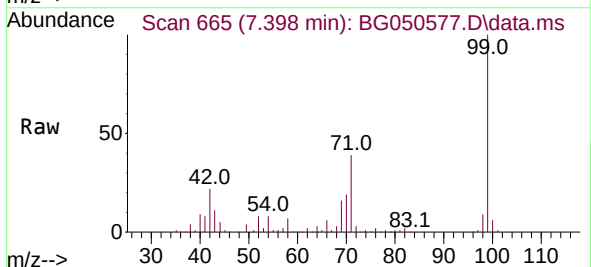
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

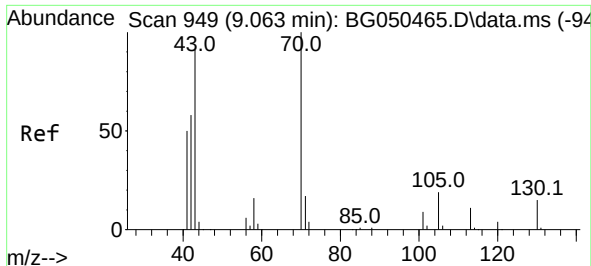
Tgt Ion: 99 Resp: 382952  
Ion Ratio Lower Upper  
99 100  
42 22.1 20.5 30.7  
71 39.3 41.5 62.3#



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.398 min Scan# 665  
Delta R.T. 0.004 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Tgt Ion: 77 Resp: 755  
Ion Ratio Lower Upper  
77 100  
105 0.0 68.8 108.8#  
106 0.0 47.9 87.9#

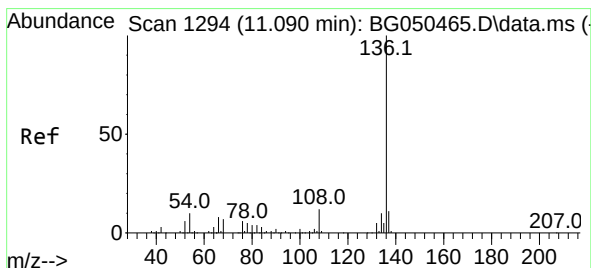
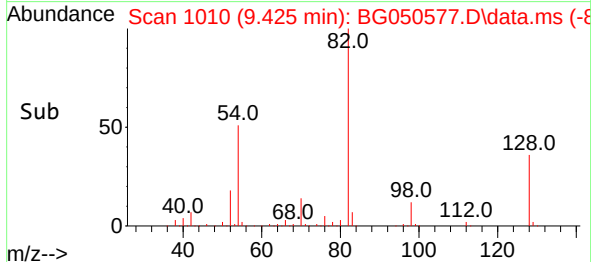
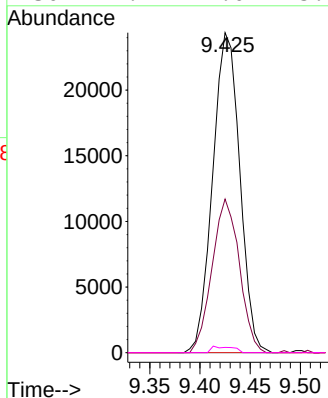
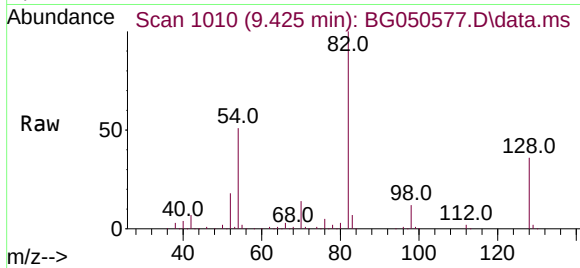




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.466 ng  
RT: 9.425 min Scan# 1010  
Delta R.T. 0.362 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

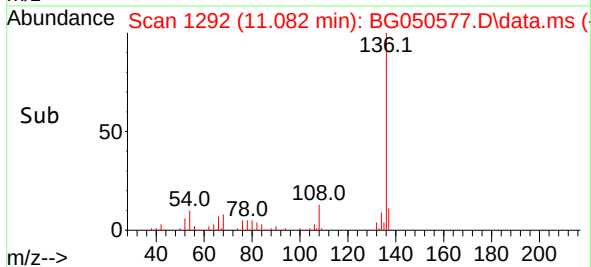
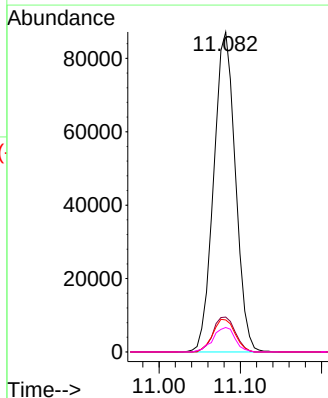
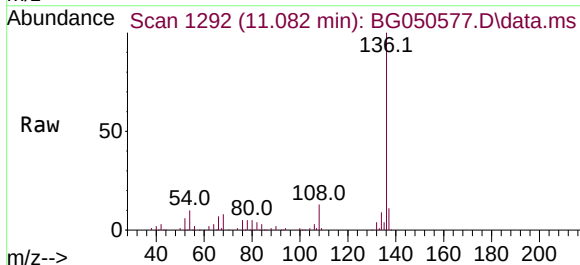
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

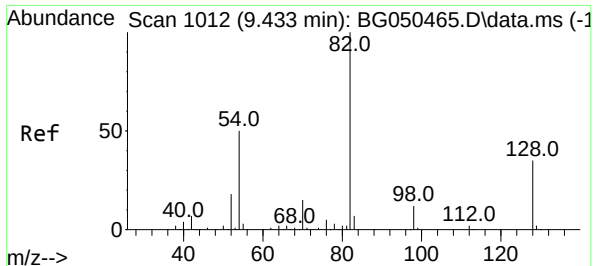
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 45726 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 48.0  | 54.5  | 81.7# |
| 101      | 0.0   | 9.0   | 13.6# |
| 130      | 1.7   | 17.0  | 25.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.082 min Scan# 1292  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 162009 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.2   | 12.2   |
| 54       | 10.0  | 5.5   | 8.3#   |
| 68       | 7.7   | 2.3   | 3.5#   |

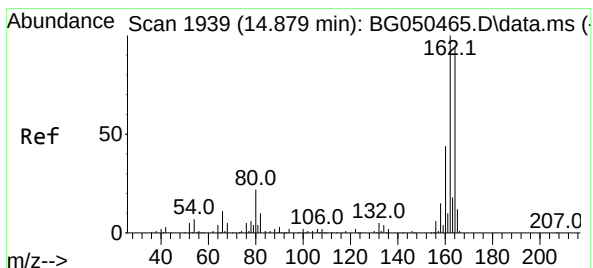
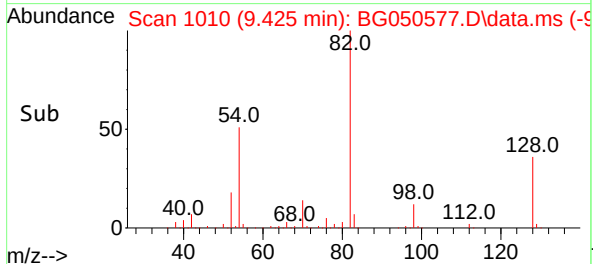
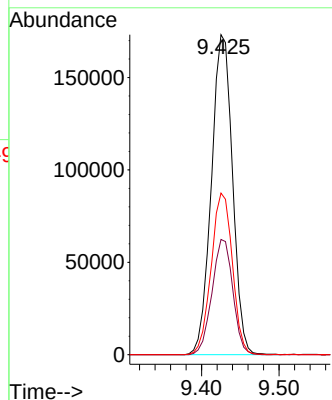
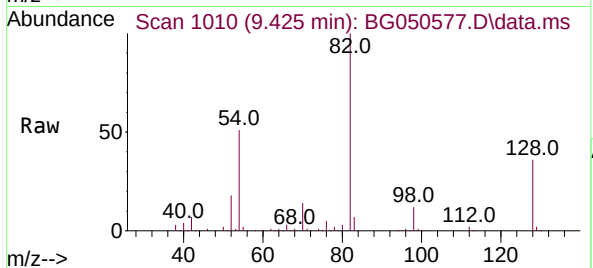




#23  
Nitrobenzene-d5  
Concen: 83.845 ng  
RT: 9.425 min Scan# 1010  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

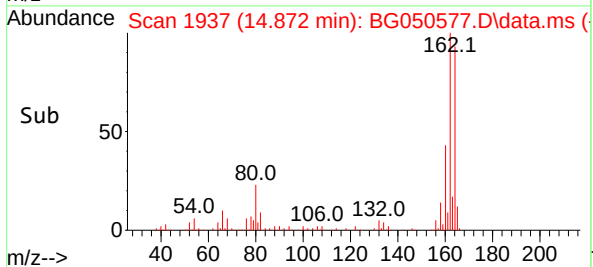
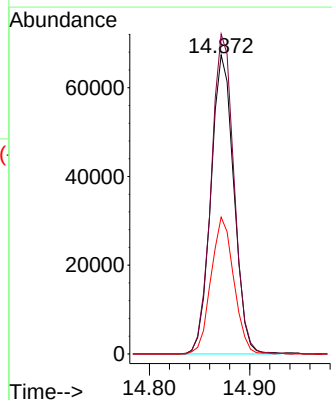
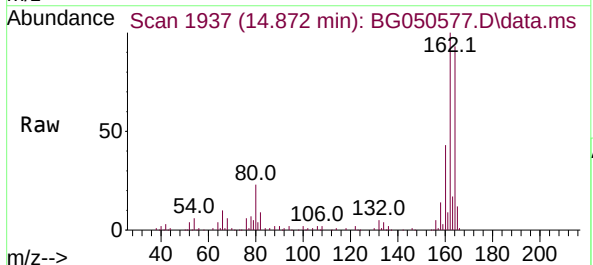
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

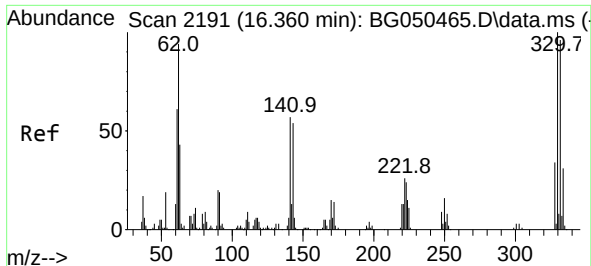
Tgt Ion: 82 Resp: 328139  
Ion Ratio Lower Upper  
82 100  
128 36.0 29.8 44.6  
54 50.5 45.8 68.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.872 min Scan# 1937  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

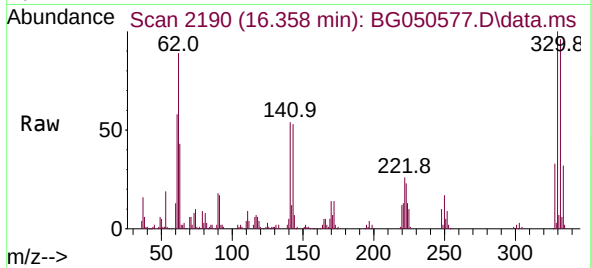
Tgt Ion: 164 Resp: 107146  
Ion Ratio Lower Upper  
164 100  
162 107.0 81.4 122.0  
160 45.7 34.9 52.3



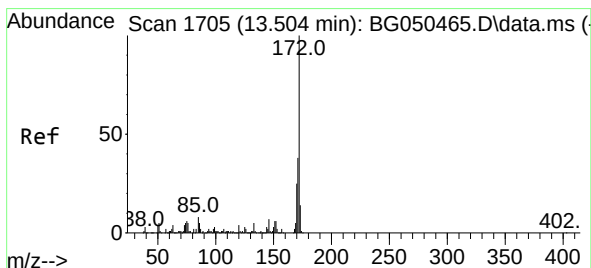
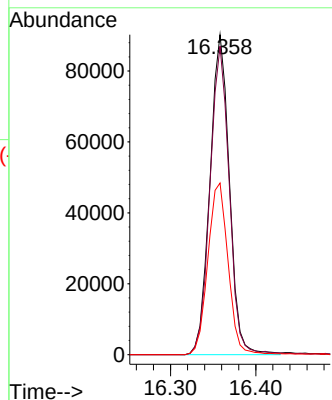
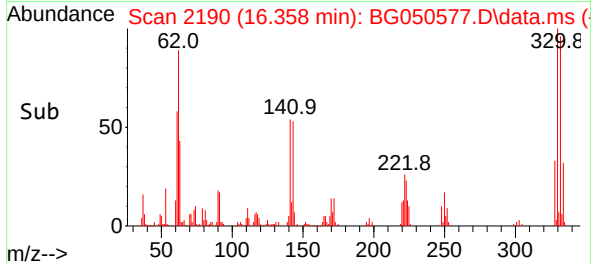


#42  
2,4,6-Tribromophenol  
Concen: 140.211 ng  
RT: 16.358 min Scan# 2190  
Delta R.T. -0.002 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

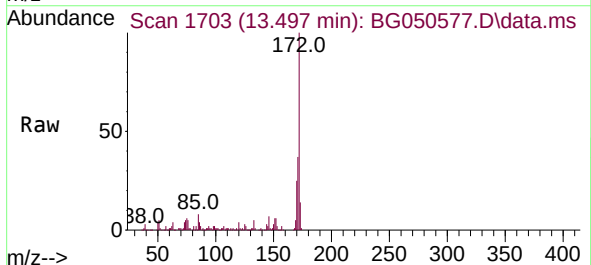
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC



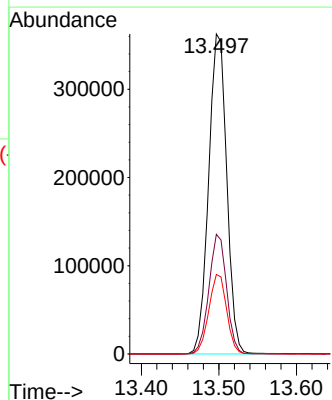
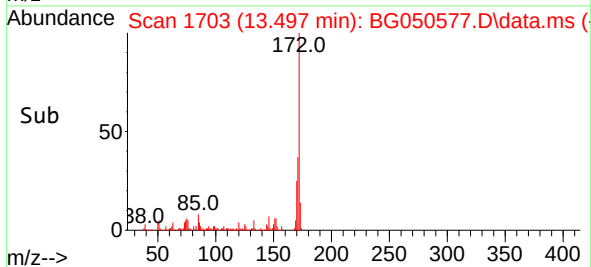
Tgt Ion:330 Resp: 143294  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.3 115.9  
141 56.0 35.6 53.4#

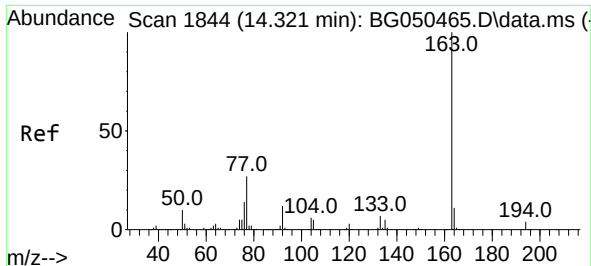


#45  
2-Fluorobiphenyl  
Concen: 82.789 ng  
RT: 13.497 min Scan# 1703  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34



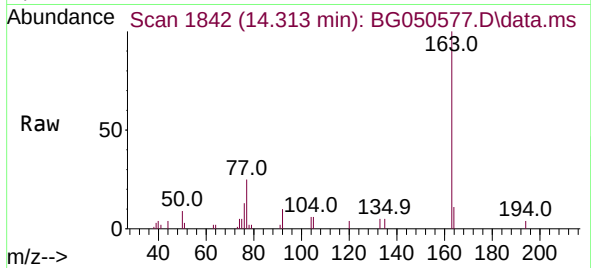
Tgt Ion:172 Resp: 589393  
Ion Ratio Lower Upper  
172 100  
171 37.4 28.6 43.0  
170 24.9 18.6 27.8



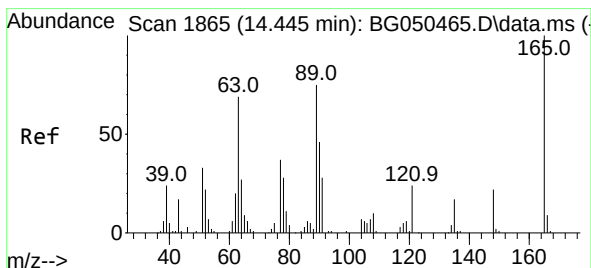
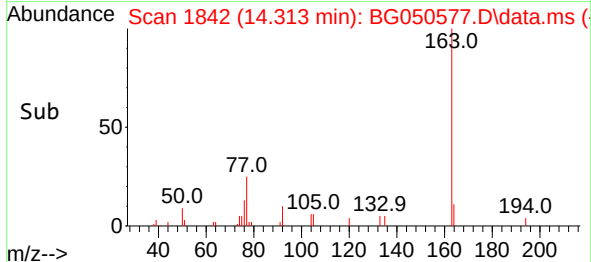
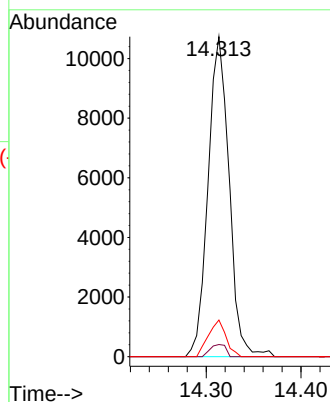


#50  
Dimethylphthalate  
Concen: 2.042 ng  
RT: 14.313 min Scan# 1842  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

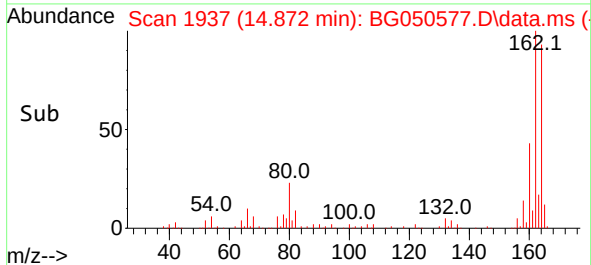
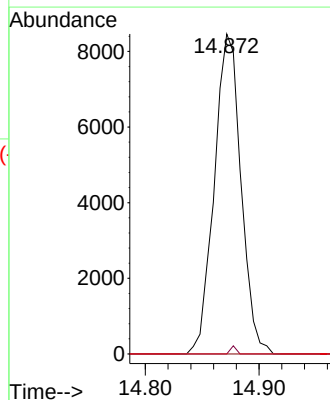
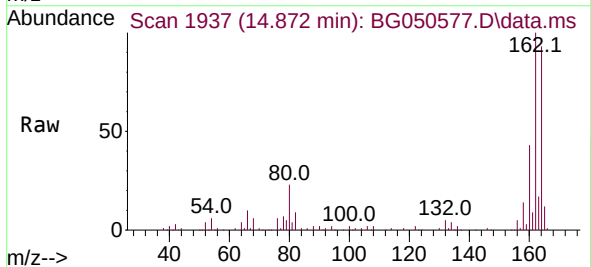


Tgt Ion:163 Resp: 16538  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 11.5 8.6 12.8

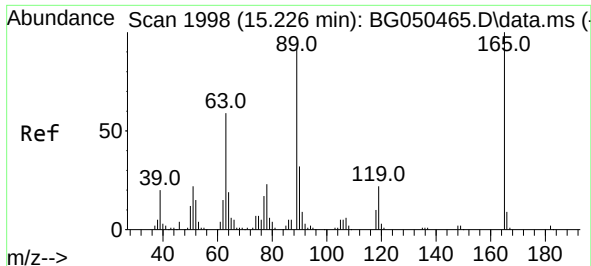


#51  
2,6-Dinitrotoluene  
Concen: 8.521 ng  
RT: 14.872 min Scan# 1937  
Delta R.T. 0.427 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Tgt Ion:165 Resp: 13822  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 0.0 63.4 95.0#

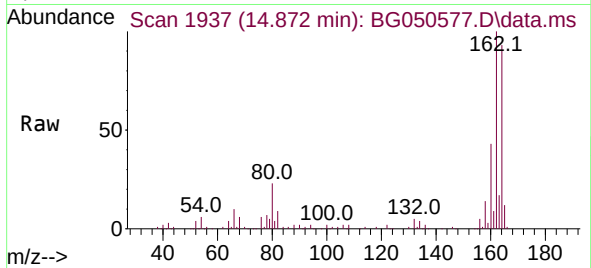




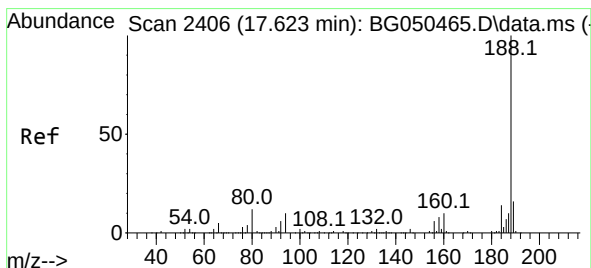
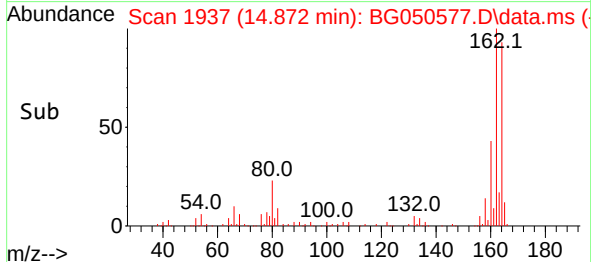
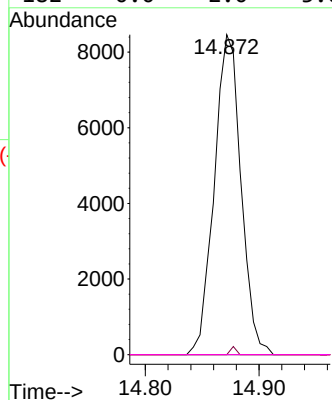


#57  
2,4-Dinitrotoluene  
Concen: 6.045 ng  
RT: 14.872 min Scan# 1937  
Delta R.T. -0.354 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

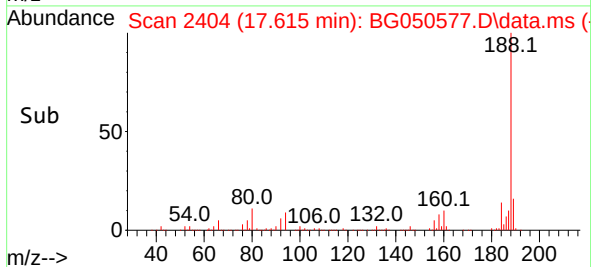
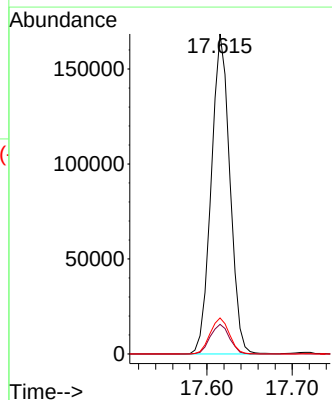
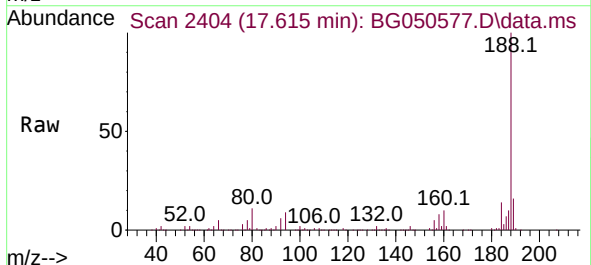


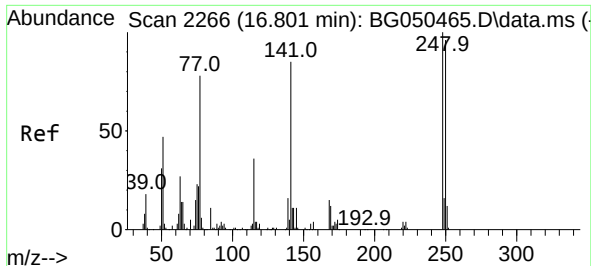
Tgt Ion:165 Resp: 13822  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 0.0 65.4 98.0#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.615 min Scan# 2404  
Delta R.T. -0.008 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Tgt Ion:188 Resp: 255949  
Ion Ratio Lower Upper  
188 100  
94 9.3 5.4 8.0#  
80 11.3 3.7 5.5#

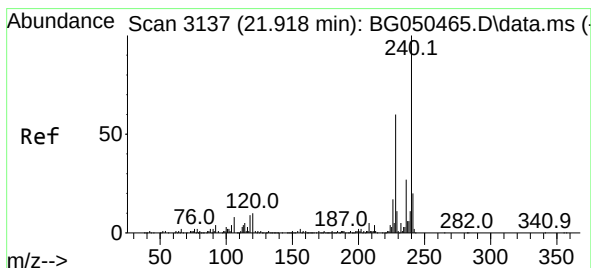
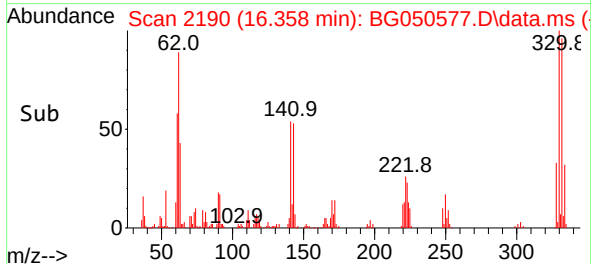
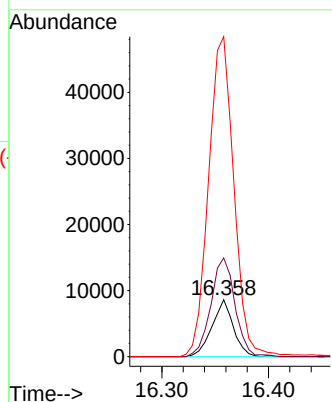
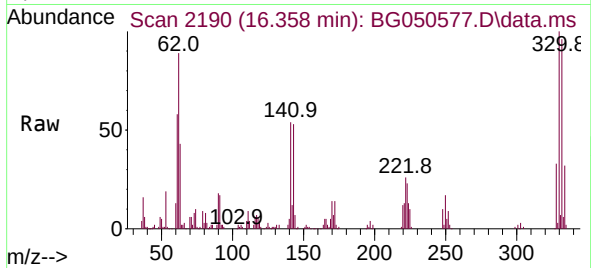




#67  
4-Bromophenyl-phenylether  
Concen: 4.665 ng  
RT: 16.358 min Scan# 2190  
Delta R.T. -0.443 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

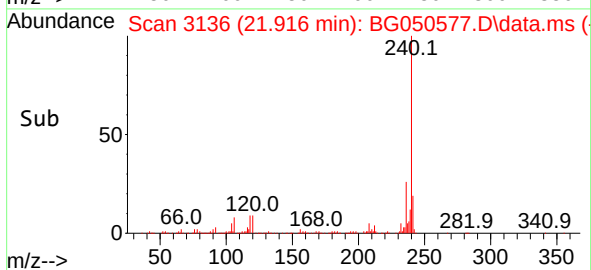
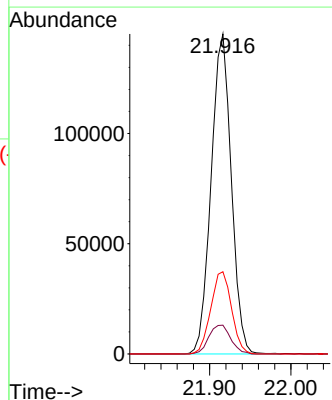
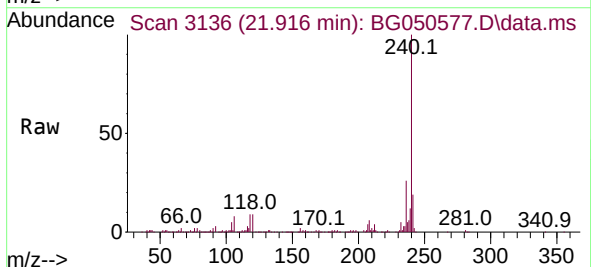
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

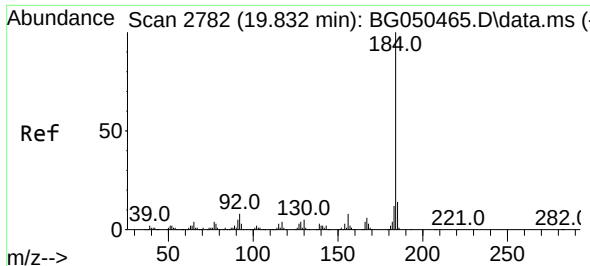
Tgt Ion:248 Resp: 12033  
Ion Ratio Lower Upper  
248 100  
250 173.6 76.1 114.1#  
141 562.1 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.916 min Scan# 3136  
Delta R.T. -0.002 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Tgt Ion:240 Resp: 249751  
Ion Ratio Lower Upper  
240 100  
120 9.0 4.2 6.2#  
236 25.7 21.8 32.6

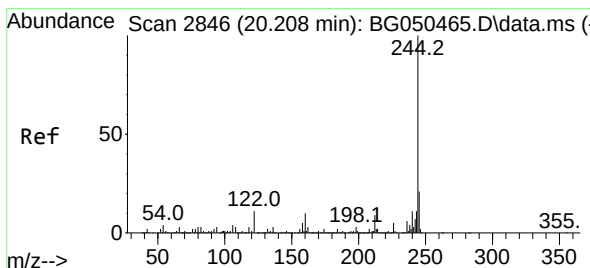
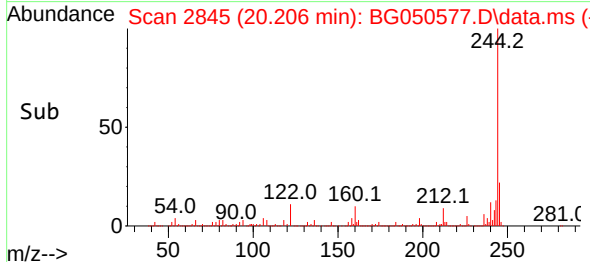
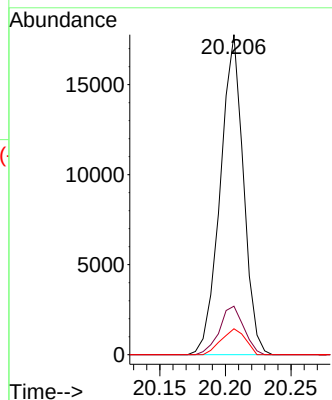
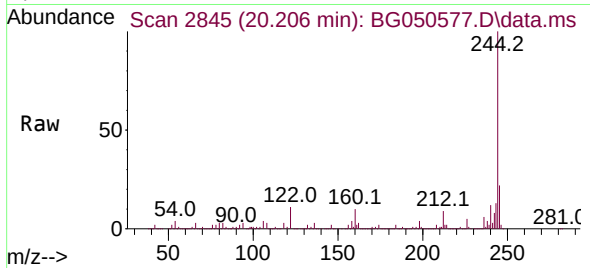




#77  
Benzidine  
Concen: 2.688 ng  
RT: 20.206 min Scan# 2845  
Delta R.T. 0.374 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

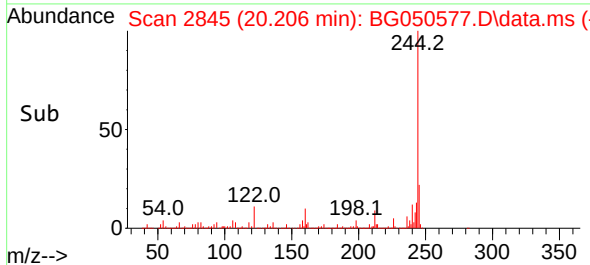
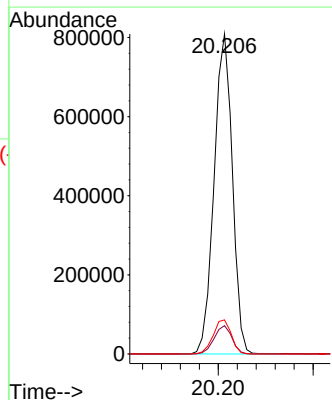
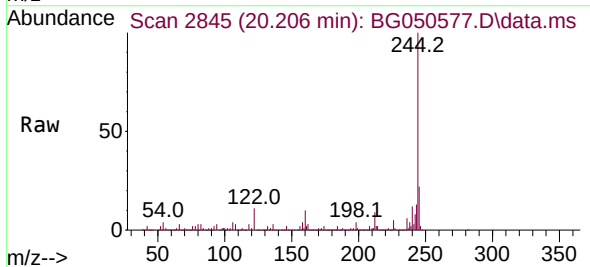
Instrument :  
BNA\_G  
ClientSampleId :  
FDR-20211008-WC

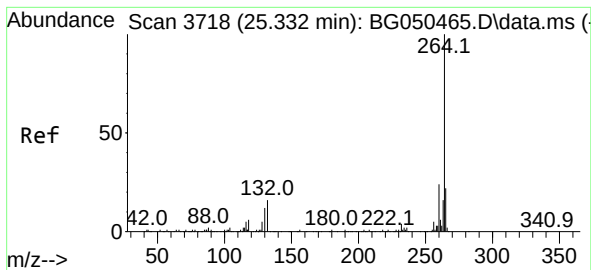
Tgt Ion:184 Resp: 21759  
Ion Ratio Lower Upper  
184 100  
185 15.2 10.7 16.1  
183 8.1 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 84.300 ng  
RT: 20.206 min Scan# 2845  
Delta R.T. -0.002 min  
Lab File: BG050577.D  
Acq: 13 Oct 2021 19:34

Tgt Ion:244 Resp: 1080343  
Ion Ratio Lower Upper  
244 100  
212 8.9 6.9 10.3  
122 10.7 5.0 7.6#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.330 min Scan# 3717  
 Delta R.T. -0.002 min  
 Lab File: BG050577.D  
 Acq: 13 Oct 2021 19:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FDR-20211008-WC

Tgt Ion:264 Resp: 246743  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.4 29.2  
 265 20.7 16.9 25.3

